

What is claimed is:

1. A fixing device without screws, for fixing in place a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the fixing device comprising:

a first plastic hook;

a plastic fixture, for clamping the tail piece of the protocol-control-information long card, wherein the plastic fixture and the first plastic hook collectively set up the protocol-control-information long card; and

a plastic fan guard, connected to the plastic fixture and the first plastic hook, for fixing the fan in place.

2. The fixing device without screws of claim 1, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.

3. The fixing device without screws of claim 1, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.

4. The fixing device without screws of claim 1, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.

5. A fixing device without screws, for fixing in place a fan and a

protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the fixing device comprising:

a first plastic hook;

5 a plastic fixture, for clamping the tail piece of the protocol-control-information long card, wherein the plastic fixture and the first plastic hook collectively set up the protocol-control-information long card; and

a plastic fan guard, connected to the plastic fixture and the first plastic hook, for fixing the fan in place, wherein the plastic fan guard has a first air port and a second air port for respectively radiating heat from the protocol-control-information long card and a hard disk, and wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.

15 6. An assembly, for fixing in place a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the assembly comprising:

a plastic fixture, for clamping the tail piece of the protocol-control-information long card; and

a plastic fan guard, connected to the plastic fixture, for fixing the fan.

7. The assembly of claim 6, wherein the plastic fixture is a plastic clamp.

25 8. The assembly of claim 8, further comprising a first plastic hook, wherein the first plastic hook and the plastic clamp collectively fix the protocol-

control-information long card.

9. The assembly of claim 6, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the
5 cavity.

10. The assembly of claim 6, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.

10 11. The assembly of claim 6, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.

12. A fixing device without screws, for fixing a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating
15 heat from a hard disk and the protocol-control-information long card, the fixing device comprising:

a plastic fan guard for fixing the fan; and

a plastic fixture, for clamping the tailpiece of the protocol-control-information long card.

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13. The fixing device of claim 12, further comprising a first plastic hook, wherein the first plastic hook and the plastic clamp collectively fix the protocol-control-information long card.

25 14. The fixing device of claim 12, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.

15. The fixing device of claim 14, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.

5 16. The fixing device of claim 12, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.

17. The fixing device of claim 12, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.